

ABSTRACT OF THE DISCLOSURE

A digital demodulation apparatus automatically controls gain based on a state of receiving a digital modulated signal. The digital demodulation apparatus amplifies a digital modulated signal wave received through the air with the gain automatically controlled so as to have a predetermined amplitude. In the digital demodulation apparatus, a receive level variation detector detects receive level variation, an amount of noise components of the received digital signal wave. A gain controller 15 controls the gain with a receive level variation adaptive control signal based on the detected receive level variation, the amount of noise components.